

Title (en)

METAL OXIDE SENSOR FOR DETECTING NITROGEN OXIDES

Title (de)

METALLOXIDSENSOR ZUR FESELLUNG VON STICKOXIDEN

Title (fr)

DETECTEUR A OXYDE METALLIQUE PERMETTANT LA DETECTION D'OXYDES D'AZOTE

Publication

EP 1042666 A1 20001011 (EN)

Application

EP 98959588 A 19981201

Priority

- US 9825118 W 19981201
- US 7027297 P 19971231

Abstract (en)

[origin: WO9934199A1] A sensor system is disclosed for detecting nitrogen oxides in a flowing gas stream, having a sensor oxidation catalyst capable of both oxidizing CO and NO in the gas sample to CO₂ and NO₂, respectively, which is incorporated into the system so as to oxidise the CO and NO in the flowing gas stream prior to the gas stream contacting a metal oxide semiconducting sensor; an n-type semiconducting metal oxide sensor, whose electrical resistance varies in relation to the concentration of nitrogen oxides in the flowing gas stream.

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G01N 27/12

IPC 8 full level

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Citation (search report)

See references of WO 9934199A1

Cited by

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